GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: April 19, 2004, 13:15:32 ; Search time 23 Seconds
(without alignments)
1070.678 Million cell updates/sec

Title: US-09-990-440-285
Perfect score: 2561
Sequence: 1 MTSKFILVSFILAALSLSTT.....SQIPALQDMHAEIAQPLLQA 477

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1810	70.7	355	2	US-09-014-969-19	Sequence 19, Appl
2	1034	40.4	453	4	US-09-800-729-83	Sequence 83, Appl
3	719	28.1	136	4	US-09-621-976-3913	Sequence 3913, Ap
4	629.5	24.6	873	3	US-09-187-331-6	Sequence 6, Appli
5	629.5	24.6	873	4	US-09-470-946-6	Sequence 6, Appli
6	629.5	24.6	873	4	US-09-438-906-2	Sequence 2, Appli
7	629.5	24.6	873	4	US-09-438-906-4	Sequence 4, Appli
8	629.5	24.6	925	2	US-08-392-946-1	Sequence 1, Appli
9	629.5	24.6	925	2	US-08-504-169-1	Sequence 1, Appli
10	629.5	24.6	925	5	PCT-US94-14893-1	Sequence 1, Appli
11	534.5	20.9	438	3	US-09-187-331-2	Sequence 2, Appli
12	534.5	20.9	438	4	US-09-470-946-2	Sequence 2, Appli
13	465.5	18.2	829	1	US-08-346-455B-34	Sequence 34, Appl
14	465.5	18.2	829	3	US-08-977-221-34	Sequence 34, Appl
15	465.5	18.2	829	4	US-09-483-831B-34	Sequence 34, Appl
16	465.5	18.2	829	5	PCT-US95-06613-34	Sequence 34, Appl
17	465.5	18.2	915	1	US-08-346-455B-69	Sequence 69, Appl
18	465.5	18.2	915	3	US-08-977-221-69	Sequence 69, Appl
19	465.5	18.2	915	4	US-09-483-831B-69	Sequence 69, Appl
20	465.5	18.2	915	5	PCT-US95-06613-69	Sequence 69, Appl
21	429.5	16.8	861	1	US-08-346-455B-67	Sequence 67, Appl
22	429.5	16.8	861	3	US-08-977-221-67	Sequence 67, Appl
23	429.5	16.8	861	4	US-09-483-831B-67	Sequence 67, Appl
24	429.5	16.8	861	5	PCT-US95-06613-67	Sequence 67, Appl
25	375	14.6	788	1	US-08-346-455B-36	Sequence 36, Appl
26	375	14.6	788	3	US-08-977-221-36	Sequence 36, Appl
27	375	14.6	788	4	US-09-483-831B-36	Sequence 36, Appl
28	375	14.6	788	5	PCT-US95-06613-36	Sequence 36, Appl
29	371	14.5	979	1	US-08-346-455B-38	Sequence 38, Appl
30	371	14.5	979	3	US-08-977-221-38	Sequence 38, Appl
31	371	14.5	979	4	US-09-483-831B-70	Sequence 70, Appl
32	371	14.5	979	5	PCT-US95-06613-38	Sequence 38, Appl
33	197	7.7	151	4	US-09-621-976-3891	Sequence 3891, Ap
34	139.5	5.4	108	4	US-09-621-976-7142	Sequence 7142, Ap
35	111.5	4.4	589	4	US-09-543-681A-4194	Sequence 4194, Ap
36	109	4.3	709	4	US-09-668-673B-3	Sequence 3, Appli
37	105.5	4.1	819	4	US-09-468-656A-10	Sequence 10, Appl
38	101.5	4.0	972	3	US-08-335-844A-23	Sequence 23, Appl
39	101.5	4.0	972	4	US-09-129-366-23	Sequence 23, Appl
40	101	3.9	627	4	US-09-328-352-7547	Sequence 7547, Ap
41	98.5	3.8	763	3	US-08-961-083-66	Sequence 66, Appl
42	98.5	3.8	763	4	US-09-536-784-66	Sequence 66, Appl
43	98.5	3.8	838	4	US-09-468-656A-4	Sequence 4, Appli
44	98	3.8	1541	3	US-08-296-791-3	Sequence 3, Appli
45	98	3.8	1541	4	US-09-839-996-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-09-014-969-19
; Sequence 19, Application US/09014969
; Patent No. 5965397
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Racie, Lisa A.
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; TITLE OF INVENTION: ENCODING THEM
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/014,969
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sprunger, Suzanne A.
; REGISTRATION NUMBER: 41,323
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8284
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-014-969-19

Query Match 70.7%; Score 1810; DB 2; Length 355;
Best Local Similarity 99.4%; Pred. No. 2.6e-173;
Matches 335; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy          1 MTSKFILVSFILAALSLSTTFSLQLDQQKVLLVSFDGFRWDYLYKVPTPHFHYIMKYGVH 60
              |||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||
Db          1 MTSKFILVSFILAALSLSTTFSLQPDQQKVLLVSFDGFRWDYLYKVPTPHFHYIMKYGVH 60

Qy         61 VKQVTNVFITKTYPNHYTLVTGLFAENHGIVANDMFDPIRNKSFSLDHMNIYDSKFWEEA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 VKQVTNVFITKTYPNHYTLVTGLFAENHGIVANDMFDPIRNKSFSLDHMNIYDSKFWEEA 120

Qy        121 TPIWITNQRAGHTSGAAMWPGTDVKIHKRFPTHYMPYNESVSFEDRVAKIVEWFTSKEPI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TPIWITNQRAGHTSGAAMWPGTDVKIHKRFPTHYMPYNESVSFEDRVAKIVEWFTSKEPI 180

Qy        181 NLGLLYWEDPDDMGHHLGPDSPLMGPVISDIDKKLGYLIQMLKKAKLWNTLNLIITSDHG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 NLGLLYWEDPDDMGHHLGPDSPLMGPVISDIDKKLGYLIQMLKKAKLWNTLNLIITSDHG 240

Qy        241 MTQCSEERLIELDQYLDKDHYTLIDQSPVAAILPKEGKFDEVYEALTHAHPNLTVYKKED 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 MTQCSEERLIELDQYLDKDHYTLIDQSPVAAILPKEGKFDEVYEALTHAHPNLTVYKKED 300

Qy        301 VPERWHYKYNSRIQPIIAVADEGWHILQNKSDDFLLG 337
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Db        301 VPERWHYKYNSRIQPIIAVADEGWHILQNKSDDFLYG 337
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RESULT 2
US-09-800-729-83
; Sequence 83, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 83
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-83

Query Match 40.4%; Score 1034; DB 4; Length 453;
Best Local Similarity 45.9%; Pred. No. 3.7e-95;
Matches 208; Conservative 73; Mismatches 132; Indels 40; Gaps 10;

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Qy          6 ILVSFILAALSLSTTFSLQLDQQKVLLVSFDGFRWDYLYKVPTPHFHYIMKYGVHVKQVT 65
              :: | ::     ::: ||      |:||||||||| |||     ||    :| || |: |
Db          7 LIFSGLITCCGGNSSHSL---PSKLLLVSFDGFRADYLQNYEFPHLQNFIKEGVLVEHVK 63

Qy         66 NVFITKTYPNHYTLVTGLFAENHGIVANDMFDPIRNKSFSLDHMNIYDSK---FWEEATP 122
              |||||||:||||::||||: |:|||||| |:| |  |      | : :| |   :| || |.
Db         64 NVFITKTFPNHYSIVTGLYEESHGIVANSMYDVITKK-----HFSDFDDKDPFWWNEAVP 118

Qy        123 IWITNQ-RAGHTSGAAMWPGTDVKIHKRFPTHYMPYNESVSFEDRVAKIVEW-FTSKEPI 180
              ||:||| :   :| ||||||||| ||    |:::| |: |||||:|:  |  |    |  |:
Db        119 IWVTNQLQENRSSAAAMWPGTDVPIHNTTPSYFMNYSSSVSFEERLNNITMWLMNSNPPV 178

Qy        181 NLGLLYWEDPDDMGHHLGP-DSPLMGPVISDIDKKLGYLIQMLKKAKLWNTLNLIITSDH 239
                  ||||:||  ||  || |   |: ::|  :| |:  ||   ||  ||:||||||
Db        179 TFATLYWEEPDASGHKYGPEDKENMYRVLKEVDDLIGELVHKLKVLGLWENLNVIITSDH 238

Qy        240 GMTQCSEERLIELDQYLDKDHYTLIDQSPVAAILPKEGKFDEVYEALTHAHPNLTVYKKE 299
              |||||||::|| ||  :|:  |||:| :||||:|||     .|||  |   :|:: || ||
Db        239 GMTQCSKDKLINLDLCIDRSSYTLVDLTPVAAVLPKINT-TEVYNKLKVCNPHMNVYLKE 297

Qy        300 DVPERWHYKYNSRIQPIIAVADEGWHILQNKSDDFLLGNHGYDNALADMHPIFLAHGPAF 359
              |:| |:||::| |||||| |||||| |: |||    ||:|||||:|: |||   ||||||
Db        298 DIPARFHYQHNDRIQPIILVADEGWTIVLNKSLP-KLGDHGYDNSLSSMHPFLAAHGPAF 356

Qy        360 RKNFSKEAMNSTDLYPLLCHLLNITAMPHNGSFWNVQDLLNSAMPRVVPYTQSTILLPGS 419
              | :    :|| |:||::||:| :   |:||:| : : ||           | | || :
Db        357 HKGYKHSTINSVDIYPMMCHILGLKPHPNNGTFGHTKCLL---------VDQWCINLPEA 407

Qy        420 VKPAEYDQEGSYPYFIGVSLGSIIVIVFFVIFI 452
                          ||: :|:::|:      |
Db        408 --------------IGIVIGALLVLTTLTCLI 425
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RESULT 3
US-09-621-976-3913
; Sequence 3913, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 3913
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -22..-1
US-09-621-976-3913

Query Match 28.1%; Score 719; DB 4; Length 136;
Best Local Similarity 99.3%; Pred. No. 2.4e-64;
Matches 135; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MTSKFILVSFILAALSLSTTFSLQLDQQKVLLVSFDGFRWDYLYKVPTPHFHYIMKYGVH 60
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Db          1 MTSKFILVSFILAALSLSTTFSLQPDQQKVLLVSFDGFRWDYLYKVPTPHFHYIMKYGVH 60

Qy         61 VKQVTNVFITKTYPNHYTLVTGLFAENHGIVANDMFDPIRNKSFSLDHMNIYDSKFWEEA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 VKQVTNVFITKTYPNHYTLVTGLFAENHGIVANDMFDPIRNKSFSLDHMNIYDSKFWEEA 120

Qy        121 TPIWITNQRAGHTSGA 136
              ||||||||||||||||
Db        121 TPIWITNQRAGHTSGA 136
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RESULT 4
US-09-187-331-6
; Sequence 6, Application US/09187331
; Patent No. 6043056
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Gorgone, Gina A.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
; FILE REFERENCE: PF-0631 US
; CURRENT APPLICATION NUMBER: US/09/187,331
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 873
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -